

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

AZIZ et al.

For: SYSTEM FOR SIGNATURELESS  
TRANSMISSION AND  
RECEPTION OF DATA PACKETS  
BETWEEN COMPUTER  
NETWORKS

Reissue of U.S. Patent No.: 5,548,646

Issued: August 20, 1996

Assignee: Sun Microsystems, Inc.

POWER OF ATTORNEY BY ASSIGNEE  
AND REVOCATION OF PREVIOUS POWERS

Assistant Commissioner for Patents  
Washington, D. C. 20231

Sir:

SUN MICROSYSTEMS, INC., ("assignee"), a Delaware corporation having a place of business at 901 San Antonio Road, Palo Alto, California 94303, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent application and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment document that evidences the placement of title in the assignee, a true and correct copy of which is attached hereto, and understands and believes that this assignment document has been submitted for recordation in the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. §§1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints Steve D Beyer, Reg. No. 31,234; Jeffrey K. Weaver, Reg. No. 31,314; Joseph A. Nguyen, Reg. No. 37,899; C. Douglass Thomas, Reg. No. 32,947; Jonathan O. Scott, Reg. No. 39,364; Harmohinder S. Bedi, Reg. No. 39,904; Lee Van Pelt, Reg. No. 38,352; James E. Austin, Reg. No. 39,489; Rupak Nag, Reg. No. 37,493; Joseph M. Villeneuve, Reg. No. 37,460; Michael J. Ritter, Reg. No. 36,653; Michael Attorney Docket No. SUN1P342R -1 of 2-

365780-4363760  
L. Louie, Reg. No. 36,9[redacted] Peggy A. Su, Reg. No. 41,336; Susan [redacted] Yi, Reg. No. 39,883, Mary R. Olynick, Reg. No. P42,963; Steven S. Baik, Reg. No. P42,281; Dean E. Wolf, Reg. No. 37,260 and Elise R. Heilbrunn, Reg. No. P42,649 all of the law firm of Beyer & Weaver, LLP; and Kenneth Olsen (Reg. No. 26,493); Matthew C. Rainey (Reg. No. 32,291); Erwin J. Basinski (Reg. No. 34,773); Timothy J. Crean (Reg. No. 37,116); Robert S. Hauser (Reg. No. 37,847); Patrick J.S. Inouye (Reg. No. 40,297) Joseph T. FitzGerald (Reg. No. 33,881); Alexander E. Silverman (Reg. No. 37,940) of SUN MICROSYSTEMS, INC. with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Please send all correspondence for this application as follows:

**Michael J. Ritter**  
BEYER & WEAVER, LLP  
P.O. Box 61059  
Palo Alto, CA 94306


Please direct any calls to the same at (650) 493-2100.

Assignee of Interest:

Sun Microsystems, Inc.  
901 San Antonio Road  
Palo Alto, CA 94303

Date

8/13/98

  
Name: Kenneth Olsen  
Reg. No.: 26,493  
Title: Vice President, Intellectual Property

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of )  
AZIZ et al. )  
Reissue of U.S. Patent No.: 5,548,646 )  
Issued: August 20, 1996 )  
Assignee: Sun Microsystems, Inc. )  
For: SYSTEM FOR SIGNATURELESS )  
TRANSMISSION AND RECEPTION OF )  
DATA PACKETS BETWEEN COMPUTER )  
NETWORKS )

**Establishing Right Of Assignee To Take Action  
under 37 C.F.R. 3.73(b) and  
Assent Of Assignee  
under 37 C.F.R. 1.172(a)**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

1. The assignee of the entire right, title and interest hereby seeks to take action in the Patent and Trademark Office in this matter.

**IDENTIFICATION OF ASSIGNEE**

2. Sun Microsystems, Inc.  
(Name of Assignee)  
A Delaware Corporation  
(Type of Assignee, e.g. corporation, partnership, university, gov't agency, etc.)

**PERSON AUTHORIZED TO SIGN**

3. Kenneth Olsen  
(Type name of person authorized to sign on behalf of assignee)  
Vice President, Intellectual Property  
(Title of person authorized to sign)

I, the person signing below, aver that I am empowered to sign this statement on behalf of the assignee.

### BASIS OF ASSIGNEE'S INTEREST

Ownership by the assignee is established by two assignment documents forming a chain of title from the inventors to the current assignee as shown below:

1. From: Ashar Aziz  
(Name of inventor(s) or assignee)  
  
To: Sun Microsystems, Inc.  
Dated: October 14, 1994
2. From: Martin Patterson  
(Name of inventor(s) or assignee)  
  
To: Sun Microsystems, Inc.  
Dated: October 13, 1995
3. From: Geoffrey Mulligan  
(Name of inventor(s) or assignee)  
  
To: Sun Microsystems, Inc.  
Dated: October 14, 1995
4. From: Glenn Scott  
(Name of inventor(s) or assignee)  
  
To: Sun Microsystems, Inc.  
Dated: October 14, 1995

Copies of the assignments in the chain of title are attached.

### DECLARATIONS

I, the undersigned, have reviewed all of the evidentiary documents for the above-identified application, and, to the best of my knowledge and belief, title is in the assignee seeking to take this action.

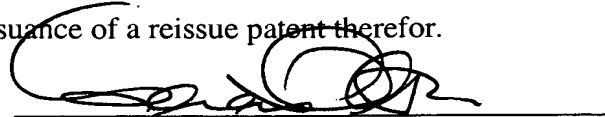
I, hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are

punishable by fine or imprisonment, or both, under Section 1001, Title 8 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

#### ASSENT OF ASSIGNEE

Sun Microsystems, Inc. of Delaware, the sole owner of U.S. Patent No. 5,548,646 by virtue of the assignments copies of which are enclosed herewith, hereby assents to the filing of an application for reissue of said patent and to the issuance of a reissue patent therefor.

Date: 8/13/98



Name: Kenneth Olsen  
Title: Vice President,  
Intellectual Property

03433334 034553  
034553 034553

**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned,

<u>Asher Aziz</u>	of	<u>4180 Tanager Common, Fremont, CA 94555</u>
<u>Geoffrey Mulligan</u>	of	<u>3330 Whimbrell Court, Fremont, CA 94555</u>
<u>Martin Patterson</u>	of	<u>5 rue de Boston, 38000 Grenoble, France</u>
<u>Glenn Scott</u>	of	<u>324 East Iowa Avenue, Sunnyvale, CA 94086</u>

hereby sell, assign and transfer to SUN MICROSYSTEMS, INC., a Delaware Corporation, having a principal place of business at 2550 Garcia Avenue, Mountain View, California 94043-1100, ("Assignee"), its successors, assigns and legal representatives, our entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

\_\_\_\_\_ which has been executed by the undersigned concurrently herewith,

XX which was filed on 9/15/94 and assigned Serial No. 08/306,337

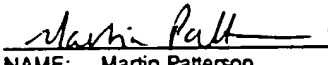
and is entitled:

**SYSTEM FOR SIGNATURELESS TRANSMISSION  
AND RECEPTION OF DATA PACKETS BETWEEN COMPUTER NETWORKS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please date and sign below:	Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DATE _____ 19____  </div> <div style="width: 45%;"> NAME: Ashar Aziz </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DATE _____ 19____  </div> <div style="width: 45%;"> </div> </div>
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DATE _____ 19____  </div> <div style="width: 45%;"> NAME: Geoffrey Mulligan </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DATE _____ 19____  </div> <div style="width: 45%;"> </div> </div>
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <u>13th October 19 74</u>  DATE </div> <div style="width: 45%;">   NAME: Martin Patterson </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <u>13th October 19 74</u>  DATE </div> <div style="width: 45%;"> </div> </div>
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DATE _____ 19____  </div> <div style="width: 45%;"> NAME: Glenn Scott </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DATE _____ 19____  </div> <div style="width: 45%;"> </div> </div>

**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned,

<u>Asher Aziz</u>	of <u>4180 Tanager Common, Fremont, CA 94555</u>
<u>Geoffrey Mulligan</u>	of <u>3330 Whimbrel Court, Fremont, CA 94555</u>
<u>Martin Patterson</u>	of <u>5 rue de Boston, 38000 Grenoble, France</u>
<u>Glenn Scott</u>	of <u>324 East Iowa Avenue, Sunnyvale, CA 94086</u>

hereby sell, assign and transfer to SUN MICROSYSTEMS, INC., a Delaware Corporation, having a principal place of business at 2550 Garcia Avenue, Mountain View, California 94043-1100, ("Assignee"), its successors, assigns and legal representatives, our entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

\_\_\_\_\_ which has been executed by the undersigned concurrently herewith,

XX which was filed on 9/15/94 and assigned Serial No. 08/306,337

and is entitled:

**SYSTEM FOR SIGNATURELESS TRANSMISSION  
AND RECEPTION OF DATA PACKETS BETWEEN COMPUTER NETWORKS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please date and sign below:		Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:
<u>14-October</u> 19 <u>94</u> DATE	<u>Asher Aziz</u> NAME: Asher Aziz	<u>14-October</u> 19 <u>94</u> DATE
<u>14-October</u> 19 <u>94</u> DATE	<u>Geoffrey Mulligan</u> NAME: Geoffrey Mulligan	<u>14-Oct</u> 19 <u>94</u> DATE
____ 19____ DATE	____ NAME: Martin Patterson	____ 19____ DATE
<u>14-October</u> 19 <u>94</u> DATE	<u>Glenn Scott</u> NAME: Glenn Scott	<u>14-October</u> 19 <u>94</u> DATE

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DATA PACKETS BETWEEN COMPUTER  
NETWORKS

The Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**REISSUE APPLICATION DECLARATION BY INVENTORS**

As a below-named inventor, I hereby declare that:

1. My residence and citizenship are stated below next to my name.
2. I have reviewed and understand the contents of the specification and claims of the above-identified reissue application, and believe myself to be the original, first, and a joint inventor of the invention described and claimed in the aforesaid reissue application and in U.S. Letters Patent No. 5,548,646 on which said reissue application is based.
3. I do not know and do not believe that said invention was ever known or used in the United States of America before the invention thereof by myself.
4. I acknowledge a duty to disclose information I am aware of which is material to patentability as defined in 37 C.F.R. § 1.56.
5. I believe that the original patent, U.S. Patent No. 5,548,646, is partly inoperative as the patent claims less than I had the right to claim in the patent. As an example, the patent failed to claim systems and methods for decrypting data packets according to the invention (see, e.g., new claim 18).
6. Claims 1 and 11 were amended to correct a typographical error of "carded" that was made by the PTO when the patent issued. Claim 11 was also amended to delete the



unnecessary phrase “the first and second computer networks” that appeared in the preamble of the claim when the application was filed. Additionally, claim 11 was amended to more clearly recite “the first data packet” where appropriate. Claim 14 was amended to more clearly recite the “said at least one predetermined criterion” to follow the introduction of this element. These amendments are made to enhance the readability of the claims and do not affect the scope of the claims.

7. All errors being corrected in this reissue arose without any deceptive intent on my part.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: \_\_\_\_\_

\_\_\_\_\_  
Ashar Aziz

\_\_\_\_\_  
4180 Tanager Common

\_\_\_\_\_  
Fremont, CA 94555  
Residence Address

\_\_\_\_\_  
United States of America  
Citizenship and Country of Residence

Date: \_\_\_\_\_

\_\_\_\_\_  
Geoffrey Mulligan

\_\_\_\_\_  
3330 Whimbrel Court

\_\_\_\_\_  
Fremont, CA 94555  
Residence Address

\_\_\_\_\_  
United States of America  
Citizenship and Country of Residence

Date: \_\_\_\_\_

\_\_\_\_\_  
Martin Patterson

\_\_\_\_\_  
5 rue de Boston

\_\_\_\_\_  
38000 FRANCE  
Residence Address

\_\_\_\_\_  
Great Britain  
Citizenship and Country of Residence

Date: \_\_\_\_\_

\_\_\_\_\_  
Glenn Scott

\_\_\_\_\_  
324 East Iowa Ave

\_\_\_\_\_  
Sunnyvale, CA 94086  
Residence Address

\_\_\_\_\_  
United States of America  
Citizenship and Country of Residence

CONFIDENTIAL